

CAB/J-BK093 (R002b)
Geo-Environmental Investigation
Pier Road, Littlehampton

APPENDIX C

Exploratory Hole Records

Exploratory Hole ID:	Client: Lidl UK GmbH				OPUS JOYNES PIKE www.opusjoynespike.co.uk				
WSA	Site: Travis Perkins Depot - South								
Job No:	J-BK093B				Start Date:		End Date:		
					18/07/2008		18/07/2008		
Drilling Equipment/ Excavation Method: Tracked Window Sampling Rig.					Co-ords:		Backfill Date:		
							18/07/2008		
Ground Level (mAOD):					Logged:		Chkd:		
					CB		CB		
					Appr:		for		
Strata Description	Depth (m)	Level (m)	Legend	Sample Type	Sample Depth (m)	Tests	Groundwater Records	Backfill Details	
CONCRETE.	0.20								
MADE GROUND: Brick cobbles within yellow brown sand.					D	0.20-0.65			
MADE GROUND: Clayey silty dark brown grey black sand with fine-medium subrounded gravel of chalk, brick, chert and possibly basalt.	0.65								
				D	0.65-0.90				
Silty slightly clayey green brown medium SAND with occasional black mottling.	1.30 1.45								
				D	1.30-1.40				
High plasticity light green brown CLAY with soft consistency and orange mottling.									
				D	1.70-2.00				
High plasticity light green brown CLAY with very soft consistency, grey blue mottling, organic odour and occasional fine rounded gravel of chalk and medium-coarse rounded gravel of red mudstone and grey flint. Mottling increases with depth.	2.45								
				D	2.70		2.50	▽	
				D	4.70-5.00				
End of Exploratory Hole at 5.00 m	5.00								
Remarks: 1. Groundwater observed at 2.50m.					Sample Type Key D - Disturbed Representative B - Bulk Representative S - Spot Non-Representative W - Water U - Undisturbed Representative J - Jar Sample		Test Type Key (C) - Cone SPT (S) - Spoon SPT P - Pocket Penetrometer Reading PID - PID Reading V - Hand Shear Vane Reading		
					Sheet:		Sheet 1 of 1		

Exploratory Hole ID:		Client: Lidl UK GmbH				OPUS JOYNES PIKE www.opusjoynespike.co.uk			
WSB		Site: Travis Perkins Depot - South							
Job No: J-BK093B						Start Date: 18/07/2008		End Date: 18/07/2008	
Drilling Equipment/ Excavation Method: Tracked Window Sampling Rig.		Co-ords:				Backfill Date: 18/07/2008		Field Records:	
		Ground Level (mAOD):				Logged: CB		Chkd: CB	
						Appr: POP			

Strata Description	Depth (m)	Level (m)	Legend	Sample Type	Sample Depth (m)	Tests	Groundwater Records	Backfill Details
CONCRETE.	0.15			D	0.20-0.50			
MADE GROUND: Sandy grey black gravel of clinker, coal and slag.	0.50			D	0.70-1.00	N=0(C)		
MADE GROUND: Chalk cobbles.	0.60							
High plasticity light green brown CLAY with soft consistency and orange mottling.	2.00			D	1.70-2.00	N=0(C)		
High plasticity light green brown CLAY with very soft consistency, grey blue mottling, organic odour and occasional fine rounded gravel of chalk and medium-coarse rounded gravel of red mudstone and grey flint. Mottling increases with depth.				D	2.70-3.00	N=0(C)	2.50	
				D	3.70-4.00	N=0(C)		
						N=3(C)		
End of Exploratory Hole at 5.00 m	5.00							

Remarks: 1. SPT 'N'-values have been corrected in accordance with BS EN ISO22476. 2. Groundwater observed at 2.50m.	<table border="0" style="width:100%;"> <tr> <td style="width:50%; vertical-align: top;"> Sample Type Key D - Disturbed Representative B - Bulk Representative S - Spot Non-Representative W - Water U - Undisturbed Representative J - Jar Sample </td> <td style="width:50%; vertical-align: top;"> Test Type Key (C) - Cone SPT (S) - Spoon SPT P - Pocket Penetrometer Reading PID - PID Reading V - Hand Shear Vane Reading </td> </tr> </table>	Sample Type Key D - Disturbed Representative B - Bulk Representative S - Spot Non-Representative W - Water U - Undisturbed Representative J - Jar Sample	Test Type Key (C) - Cone SPT (S) - Spoon SPT P - Pocket Penetrometer Reading PID - PID Reading V - Hand Shear Vane Reading
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Sheet: Sheet 1 of 1			

Exploratory Hole ID: WSC	Client: Lidl UK GmbH Site: Travis Perkins Depot - South	OPUS JOYNES PIKE www.opusjoynespike.co.uk	
Job No: J-BK093B		Start Date: 18/07/2008	End Date: 18/07/2008
Drilling Equipment/ Excavation Method: Tracked Window Sampling Rig.		Co-ords:	Backfill Date: 18/07/2008
		Ground Level (mAOD):	Field Records:
		Logged: CB	Chkd: CB
		Appr: ROP	

Strata Description	Depth (m)	Level (m)	Legend	Sample Type	Sample Depth (m)	Tests	Groundwater Records	Backfill Details
CONCRETE.	0.15			D	0.15-0.40			
MADE GROUND: Clayey sandy grey cream gravel of flint, chert, coal and clinker.	0.40			D	0.40-0.65			
MADE GROUND: Brown coarse sand with orange mottling.	0.65			D	0.70-1.00	N=0(C)		
High plasticity light green brown CLAY with soft consistency and orange mottling.	2.00			D	1.70-2.00	N=0(C)		
High plasticity light green brown CLAY with very soft consistency, grey blue mottling, organic odour and occasional fine rounded gravel of chalk and medium-coarse rounded gravel of red mudstone and grey flint. Mottling increases with depth.				D	2.70-3.00	N=0(C)	2.50	▽
Slightly clayey orange brown coarse SAND, medium dense.	4.70			D	4.70-5.00	N=0(C)		
End of Exploratory Hole at 5.00 m	5.00					N=20(C)		

Remarks: 1. SPT 'N'-values have been corrected in accordance with BS EN ISO22476. 2. Groundwater observed at 2.50m.	<table style="width:100%;"> <tr> <td style="width:50%;"> Sample Type Key D - Disturbed Representative B - Bulk Representative S - Spot Non-Representative W - Water U - Undisturbed Representative J - Jar Sample </td> <td style="width:50%;"> Test Type Key (C) - Cone SPT (S) - Spoon SPT P - Pocket Penetrometer Reading PID - PID Reading V - Hand Shear Vane Reading </td> </tr> </table>	Sample Type Key D - Disturbed Representative B - Bulk Representative S - Spot Non-Representative W - Water U - Undisturbed Representative J - Jar Sample	Test Type Key (C) - Cone SPT (S) - Spoon SPT P - Pocket Penetrometer Reading PID - PID Reading V - Hand Shear Vane Reading
Sample Type Key D - Disturbed Representative B - Bulk Representative S - Spot Non-Representative W - Water U - Undisturbed Representative J - Jar Sample	Test Type Key (C) - Cone SPT (S) - Spoon SPT P - Pocket Penetrometer Reading PID - PID Reading V - Hand Shear Vane Reading		
Sheet: Sheet 1 of 1			

Exploratory Hole ID:	Client: Lidl UK GmbH	OPUS JOYNES PIKE www.opusjoynespike.co.uk		
WSD	Site: Travis Perkins Depot - South			
Job No:		Start Date:	End Date:	
J-BK093B		18/07/2008	18/07/2008	
Drilling Equipment/ Excavation Method:		Co-ords:	Backfill Date:	Field Records:
Tracked Window Sampling Rig.			18/07/2008	
Ground Level (mAOD):		Logged:	Chkd:	Appr:
		CB	CB	RJP

Strata Description	Depth (m)	Level (m)	Legend	Sample Type	Sample Depth (m)	Tests	Groundwater Records	Backfill Details
CONCRETE.	0.15							
MADE GROUND: Sandy grey brown gravel of brick, concrete, flint and chert.	0.35			D	0.35-0.55			
MADE GROUND: Clayey silty dark brown grey black sand with fine-medium subrounded gravel of chalk, brick, chert and possibly basalt.	0.55			D	0.55-0.65			
	0.65			D	0.70-1.00			
Silty slightly clayey green brown medium SAND with occasional black mottling.	1.00							
High plasticity light green brown CLAY with soft consistency and orange mottling.								
High plasticity light green brown CLAY with soft consistency, grey blue mottling, organic odour and occasional medium-coarse rounded gravel of red mudstone and grey flint. Mottling decreases with depth.	2.00			D	1.70-2.00			
High plasticity light green brown CLAY with very soft consistency, grey blue mottling, organic odour and occasional fine rounded gravel of chalk and medium-coarse rounded gravel of red mudstone and grey flint. Mottling increases with depth.				D	2.70-3.00		2.50	
				D	3.70-4.00			
				D	4.70-5.00			
End of Exploratory Hole at 5.00 m	5.00							

Remarks: 1. Groundwater observed at 2.50m.	Sample Type Key D - Disturbed Representative B - Bulk Representative S - Spot Non-Representative W - Water U - Undisturbed Representative J - Jar Sample	Test Type Key (C) - Cone SPT (S) - Spoon SPT P - Pocket Penetrometer Reading PID - PID Reading V - Hand Shear Vane Reading
	Sheet: Sheet 1 of 1	

Window Sample	Depth (mbgl)	Corrected N value	Lithology
B	1.0	0	Clay
B	2.0	0	Clay
B	3.0	0	Clay
B	4.0	0	Clay
B	5.0	3	Clay
C	1.0	0	Clay
C	2.0	0	Clay
C	3.0	0	Clay
C	4.0	0	Clay
C	5.0	20	Sand

Pier Road, Littlehampton

